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**United States Patent** [19]**Kashi**[11] **Patent Number:** **5,685,720**[45] **Date of Patent:** **Nov. 11, 1997**[54] **BRaille CELL ASSEMBLY HAVING  
HOLDER TRAY**4,871,992 10/1989 Petersen ..... 434/114 X  
5,226,817 7/1993 Nakajima et al. .... 434/113[75] **Inventor:** **Mostafa Kashi**, Sunnyvale, Calif.**FOREIGN PATENT DOCUMENTS**[73] **Assignee:** **Telesensory Corporation**, Mountain  
View, Calif.

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[21] **Appl. No.:** **496,042**[22] **Filed:** **Jun. 28, 1995**[51] **Int. Cl.<sup>6</sup>** ..... **G09B 21/00**[52] **U.S. Cl.** ..... **434/114**[58] **Field of Search** ..... 434/114, 113,  
434/112; 340/407.1, 407.2[56] **References Cited****U.S. PATENT DOCUMENTS**4,473,356 9/1984 Fernando et al. .... 434/114  
4,758,165 7/1988 Tieman et al. .... 434/114*Primary Examiner*—Jeffrey A. Smith*Attorney, Agent, or Firm*—Majestic, Parsons, Siebert &  
Hsue[57] **ABSTRACT**

A braille cell assembly is described which provides precision cell positioning. Such assembly includes a holder in the form of a tray which engages the individual braille cells, which holder is selected to be capable of itself rigidly maintaining the individual cells in predetermined positions adjacent to one another. The position of each cell in the assembly is thus independent of other cells of the assembly.

**6 Claims, 2 Drawing Sheets**